

CLAIM AMENDMENTS

Claims 1-5 (canceled).

Claim 6 (new): A method of floods control and flood discharge comprising the steps of:

- (a) setting up a programmable tidal current control gate (PTCCG) at an estuary of a river, wherein said PTCCG, which is built across a river, is selectively controlled between a closed position and an opened position;
- (b) providing a floods receiving lake;
- (c) closing said PTCCG when there is a danger of floods in flood seasons for preventing a tidal current from entering into an inner portion of said river;
- (d) guiding flood water to said floods receiving lake when said PTCCG is closed;
- (e) re-opening said PTCCG for discharging said flood water into the sea; and
- (f) keeping said PTCCG opened when it is not in use.

Claim 7 (new): The method, as recited in claim 6, wherein said PTCCG is constructed at a narrower portion of said estuary.

Claim 8 (new): The method, as recited in claim 6, wherein said PTCCG is constructed at a coast tangent of a river mouth.

Claim 9 (new): The method, as recited in claim 6, wherein said PTCCG is fabricated of multi-sectional flat sluice gate.

Claim 10 (new): The method, as recited in claim 7, wherein said PTCCG is fabricated of multi-sectional flat sluice gate.

Claim 11 (new): The method, as recited in claim 8, wherein said PTCCG is fabricated of multi-sectional flat sluice gate.

Claim 12 (new): The method, as recited in claim 7, wherein a span covered by said PTCCG is between 20% and 80% of a width of said narrower portion of said estuary.

Claim 13 (new): The method, as recited in claim 10, wherein a span covered by said PTCCG is between 20% and 80% of a width of said narrower portion of said estuary.

Claim 14 (new): The method, as recited in claim 6, wherein during a flood season, said PTCCG is used for a period of 7 days to 14 days.

Claim 15 (new): The method, as recited in claim 11, wherein during a flood season, said PTCCG is used for a period of 7 days to 14 days.

Claim 16 (new): The method, as recited in claim 13, wherein during a flood season, said PTCCG is used for a period of 7 days to 14 days.

Claim 17 (new): The method, as recited in claim 6, wherein when the water level in said floods receiving lake is higher than the sea level, said flood water is discharged into the sea.

Claim 18 (new): The method, as recited in claim 7, wherein when the water level in said floods receiving lake is higher than the sea level, said flood water is discharged into the sea.

Claim 19 (new): The method, as recited in claim 8, wherein when the water level in said floods receiving lake is higher than the sea level, said flood water is discharged into the sea.

Claim 20 (new): The method, as recited in claim 12, wherein when the water level in said floods receiving lake is higher than the sea level, said flood water is discharged into the sea.

Claim 21 (new): The method, as recited in claim 13, wherein when the water level in said floods receiving lake is higher than the sea level, said flood water is discharged into the sea.

Claim 22 (new): The method, as recited in claim 15, wherein when the water level in said floods receiving lake is higher than the sea level, said flood water is discharged into the sea.

Claim 23 (new): The method, as recited in claim 16, wherein when the water level in said floods receiving lake is higher than the sea level, said flood water is discharged into the sea.